

# Memorandum

**To :** William J. Keese, Chairman  
Michal C. Moore, Ph.D, Commissioner  
Robert A. Laurie, Commissioner  
Robert Pernell, Commissioner  
Art Rosenfeld, Commissioner

**Date :** October 24, 2000  
**Telephone:** (916) 654-4996  
**File:** Newark Master DA

**From :** California Energy Commission  
1516 Ninth Street  
Sacramento, CA 95814-5512

**Subject :** DATA ADEQUACY RECOMMENDATION FOR NEWARK SUBSTATION  
RELIABILITY GENERATION PROJECT - (00-AFC-9)

The staff has completed its data adequacy review of the Newark AFC which was submitted by Calpine c\* Power Company (Calpine) on October 10, 2000. I have determined that the AFC does not contain all the information required by Cal. Code of Regs., tit. 20, § 1704, Appendix B. Attachment A contains an overview of whether each technical discipline evaluated is adequate or inadequate. Attachment B contains staff's detailed data adequacy worksheets which describe staff's findings for each information requirement.

Calpine is seeking an expedited permitting decision under the terms of §25552 of the California Energy Security and Reliability Act (AB 970). This section provides for a four-month certification process for simple cycle thermal power plants and related facilities that can be put into service by August 1, 2001. This law requires a determination of data adequacy within 15 days of the filing of the AFC, but in no case later than October 31, 2000.

At the Energy Commission's business meeting on October 25, 2000, I will be recommending that the Energy Commission not accept the AFC until all the additional information specified in Attachment B is supplied. Pursuant to Cal. Code of Regs., tit. 20, § 1709 (c), if the Energy Commission accepts my recommendation, the Energy Commission shall indicate, in writing, those parts of the AFC which fail to meet the information requirements and the manner in which it can be made complete.

To allow staff time to review new material submitted in response to the Commission's findings, I request that the applicant file all supplemental material no later 3:00 pm on October 27, 2000. In order to allow reconsideration of data adequacy for this project by October 31, 2000, I will prepare a revised recommendation concerning data adequacy by October 30, 2000. This item will then be considered at the October 31 Business Meeting.

Should the application be deemed adequate, we note that the Commission will be required to make a determination of whether the project qualifies for the expedited licensing process under AB 970 within 25 days of deeming the application data adequate. Notwithstanding the fact that the application contained much of the required information, staff believes there is a potential that the project may cause or contribute to

significant adverse air quality impact. These impacts may occur from both construction emissions and from operational emissions of nitrogen oxide (NOx) and precursor organic compounds (POC) that are not offset.<sup>1</sup> Staff will file its recommendation about whether the project results in any significant unmitigated impacts on or about November 17, 2000. Staff will need additional information not required for data adequacy and there is little time to submit and receive responses to data requests to resolve issues related to whether the project results in significant unmitigated impacts. Staff will issue data requests shortly after the application is deemed data adequate, and the applicant will be required to make expeditious responses to data requests related to these issues.

If you have any questions, please call Eileen Allen, staff's Project Manager, at (916) 654-4082 or eallen@energy.state.ca.us.

STEVE LARSON  
Executive Director

SL:ea

Attachments

cc: Docket 00-AFC-05  
Eileen Allen, Siting Project Manager  
Caryn Holmes, Staff Counsel

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<sup>1</sup> The applicant's construction impacts analysis indicates the projects may cause violations of the state's NO<sub>2</sub> and PM<sub>10</sub> standards by several orders of magnitude.

**ATTACHMENT A**  
**OVERVIEW OF ENERGY COMMISSION STAFF'S**  
**DATA ADEQUACY DETERMINATION**  
**NEWARK SUBSTATION RELIABILITY GENERATION PROJECT (00-AFC-9)**

TECHNICAL AREA	ATTACHMENT B PAGE No.	ADEQUATE?
Air Quality	1	No
Alternatives	6	Yes
Biological Resources	7	No
Cultural Resources	11	No
Efficiency	15	No
Facility Design	17	Yes
Geological Hazards	20	Yes
Hazardous Materials Handling	22	Yes
Health	24	Yes
Land Use	26	No
Noise	30	Yes
Paleontological Resources	33	Yes
Project Overview	36	No
Reliability	40	Yes
Socioeconomics	42	No
Soils	45	No
Traffic and Transportation	47	No
T-Line Safety and Nuisance.	50	Yes
Transmission System Eng.	53	No
Visual Resources	56	No
Waste Management	59	No
Water Resources	62	No
Worker Safety	65	Yes

## **ATTACHMENT B**

### **ENERGY COMMISSION STAFF'S List of Data Inadequacies**

**Newark Substation Reliability Generation Project  
00-AFC-9**

October 27, 2000

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

## DATA ADEQUACY WORKSHEET

Revision No. 1 Date 10/207/00

Technical Area: Air Quality

Project: Newark Substation Reliability Generation Project

Technical Staff: Nasrin Behmanesh (AEG)

Project Manager: Eileen Allen

Docket: 00-AFC-9

Technical Senior: Keith Golden

SITING REGULATIONS	INFORMATION	AFC SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Sec. 2.2.1 Sec. 2.2.2 Sec. 2.2.4 Sec. 2.2.10 Sec. 8.1.1 Sec. 8.1.5.1 Sec. 8.1.5.3 Sec. 8.1.6.3 Sec. 8.1.7 Sec. 8.1.8	NO	Provide a discussion of how the project's emission increases of non-attainment pollutants will be mitigated. See information requirements for Appendix B (g)(8)(J).
Appendix B (g) (8) (A)	The information necessary for the air pollution control district where the project is located to complete a Determination of Compliance.		NO	Application was filed with BAAQMD on October 20. Completeness of application will need to be evaluated following filing.
Appendix B (g) (8) (B)	The heating value and chemical characteristics of the proposed fuels, the stack height and diameter, the exhaust velocity and temperature, the heat rate and the expected capacity factor of the proposed facility.	Sec. 8.1.5.1 Appendix 8.1-2	YES	
Appendix B (g) (8) (C)	A description of the control technologies proposed to limit the emission of criteria pollutants.	Sec. 2.2.4 Sec. 2.2.10.1 thru 3 Sec. 8.1.5.1 Sec. 8.1.6.3	YES	
Appendix B (g) (8) (D)	A description of the cooling system, the estimated cooling tower drift rate, the rate of water flow through the cooling tower, and the maximum concentrations of total dissolved solids.	Sec. 2.2.2 Sec. 2.2.7.1	YES	
Appendix B (g) (8) (E)	The emission rates of criteria pollutants from the stack, cooling towers, fuels and materials handling processes, delivery and storage systems, and from all secondary emission sources.	Sec. 8.1.5.1 Appendix 8.1-2	NO	Please reconcile the assumptions and project emissions between Section 8.1 and the Appendix 8.1-2.
Appendix B (g) (8) (F)	A description of typical operational modes, and start-up and shutdown modes for the proposed project, including the estimated frequency of occurrence and duration of each mode, and estimated emission rate for each criteria pollutant during each mode.	Sec. 2.2.15 Sec. 8.1.5.1 Appendix 8.1-2	NO	Please reconcile the discussion of operational profiles between the text and the Appendices. Please also identify which operational profile was used to model the project impacts, and include the number of start-ups assumed.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

## DATA ADEQUACY WORKSHEET

Revision No. 1 Date 10/207/00

Technical Area: Air Quality

Project: Newark Substation Reliability Generation Project

Technical Staff: Nasrin Behmanesh (AEG)

Project Manager: Eileen Allen

Docket: 00-AFC-9

Technical Senior: Keith Golden

SITING REGULATIONS	INFORMATION	AFC SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (8) (G)	The ambient concentrations of all criteria pollutants for the previous three years as measured at the three Air Resources Board certified monitoring stations located closest to the project site, and an analysis of whether this data is representative of conditions at the project site. The applicant may substitute an explanation as to why information from one, two, or all stations is either not available or unnecessary.	Sec. 8.1.3 Sec. 8.1.5.1	NO	Please provide ambient monitoring data for all pollutant standard averaging times for the three previous years from three closest certified ambient monitoring stations, or provide information why data is not available or unnecessary.
Appendix B (g) (8) (H)	One year of meteorological data collected from either the Federal Aviation Administration Class 1 station nearest to the project or from the project site, or meteorological data approved by the California Air Resources Board or the local air pollution control district.	Sec. 8.1.1.2	NO	Please provide one year of meteorological data from the appropriate station.
Appendix B (g) (8) (H) (i)	If the data is collected from the project site, the applicant shall demonstrate compliance with the requirements of the U.S. Environmental Protection Agency document entitled "On-Site Meteorological Program Guidance for Regulatory Modeling Applications" (EPA - 450/4-87-013 (August 1995), which is incorporated by reference in its entirety.)		N/A	
Appendix B (g) (8) (H) (ii)	The data shall include quarterly wind tables and wind roses, ambient temperatures, relative humidity, stability and mixing heights, upper atmospheric air data, and an analysis of whether this data is representative of conditions at the project site.	Sec. 8.1.1.2 Sec. 8.1.5.1 Appendix 8.1-1	NO	Please provide one year of meteorological data as indicated above, including the information listed to the left. Also, the quarterly wind roses need to be provided. Also provide a discussion as to whether the data provided is representative of conditions at the project site.
Appendix B (g) (8) (I)	An evaluation of the project's direct and cumulative air quality impacts, consisting of the following:			

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

Technical Area: Air Quality

Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Newark Substation Reliability Generation Project

Docket: 00-AFC-9

Revision No. 1 Date 10/207/00

Technical Staff: Nasrin Behmanesh (AEG)

Technical Senior: Keith Golden

SITING REGULATIONS	INFORMATION	AFC SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (8) (I) (i)	A screening level air quality modeling analysis, or a more detailed modeling analysis if so desired by the applicant, of the direct inert pollutant impacts of project construction activities on ambient air quality conditions, including fugitive dust (PM <sub>10</sub> ) emissions from grading, excavation and site disturbance, as well as the combustion emissions [nitrogen oxides (NO <sub>x</sub> ), sulfur dioxide (SO <sub>2</sub> ), carbon monoxide (CO), and particulate matter less than 10 microns in diameter (PM <sub>10</sub> )] from construction-related equipment;	Sec. 8.1.5.3 Appendix 8.1-6	YES	
Appendix B (g) (8) (I) (ii)	A screening level air quality modeling analysis, or a more detailed modeling analysis if so desired by the applicant, of the direct inert criteria pollutant (NO <sub>x</sub> , SO <sub>2</sub> , CO and PM <sub>10</sub> ) impacts on ambient air quality conditions of the project during typical (normal) operation, and during shutdown and startup modes of operation. Identify and include in the modeling of each operating mode the estimated maximum emissions rates and the assumed meteorological conditions; and	Sec. 8.1.5.1	YES	
Appendix B (g) (8) (I) (iii)	A protocol for a cumulative air quality modeling impacts analysis of the project's typical operating mode in combination with other stationary emissions sources within a six mile radius which have received construction permits but are not yet operational, or are in the permitting process. The cumulative inert pollutant impact analysis should assess whether estimated emissions concentrations will cause or contribute to a violation of any ambient air quality standard.	Sec. 8.1.7 Appendix 8.1-4	NO	Please provide a cumulative modeling protocol similar to those presented for the Martin, San Mateo and Scott projects.
Appendix B (g) (8) (J)	If an emission offset strategy is proposed to mitigate the project's impacts under subsection (g)(1), provide the following information:	Sec. 8.1.6.3		

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

## DATA ADEQUACY WORKSHEET

Revision No. 1 Date 10/207/00

Technical Area: **Air Quality**

Project: Newark Substation Reliability Generation Project

Technical Staff: Nasrin Behmanesh (AEG)

Project Manager: Eileen Allen

Docket: 00-AFC-9

Technical Senior: Keith Golden

SITING REGULATIONS	INFORMATION	AFC SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (8) (J) (i)	The quantity of offsets needed;		NO	After correcting the emission calculations deficiency noted in the first page, please provide a revised summary of offsets needed under BAAQMD rules for the project.
Appendix B (g) (8) (J) (ii)	Potential offset sources, including location, and quantity of emission reductions; and		NO	BAAQMD indicates that this project will not be eligible to receive offsets from the Small Facility Banking Account (SFBA). Therefore, please indicate any Calpine ERCs available to offset the project (include an accounting of which Calpine ERCs are being used to offset the Los Medanos, Delta, and Metcalf projects, and any other Calpine projects.) If non Calpine ERCs are to be acquired, please discuss the potential offset sources, including location, and quantity of emission reductions.
Appendix B (g) (8) (J) (iii)	Method of emission reduction.	Sec. 8.1.8	NO	If non Calpine ERCs or other proposed offsets are to be acquired, please discuss the method in which the emission reductions were (or are) created.
Appendix B (g) (8) (K)	A topographic map containing contour and elevation data, at a scale of 1:24,000, showing the area within 6 miles of the power plant site.	Figure 8.1-1	NO	Please provide a topographic map containing contour and elevation data, at a scale of 1:24,000, showing the area within 6 miles of the power plant site. Figure 8.1-1 is scaled at 1:115,000.
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 8.1-26	YES	



Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

## DATA ADEQUACY WORKSHEET

Revision No. 1 Date 10/207/00

Technical Area: **Air Quality**

Project: Newark Substation Reliability Generation Project

Technical Staff: Nasrin Behmanesh (AEG)

Project Manager: Eileen Allen

Docket: 00-AFC-9

Technical Senior: Keith Golden

SITING REGULATIONS	INFORMATION	AFC SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Sec. 8.1.4, Table 8.1-9	YES	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Sec 8.1.4.2 Sec. 8.1.6	YES	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Sec. 8.1.4, Table 8.1-9	YES	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Sec. 8.1.4.2 Table 8.1-26	NO	Please provide schedule for obtaining BAAQMD air quality permits and update schedule status for the submittal of the permit application.

Adequacy Issue: Adequate   X   Inadequate       

Technical Area: **Alternatives**

Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Newark Substation Reliability Generation Project

Docket: 00-AFC-11

Revision No.   0   Date   Oct. 20, 2000  

Technical Staff: Eileen Allen

Technical Senior: Roger E. Johnson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (1) (D)	A description of how the site and related facilities were selected and the consideration given to engineering constraints, site geology, environmental impacts, water, waste and fuel constraints, electric transmission constraints, and any other factors considered by the applicant.	Sec.1.5 Sec. 5 pp. 5-1 to 5-3	Yes	
Appendix B (f) (1)	A discussion of the range of reasonable alternatives to the project, or to the location of the project, including the no project alternative, which would feasibly attain most of the basic objectives of the project but would avoid or substantially lessen any of the significant effects of the project, and an evaluation of the comparative merits of the alternatives. In accordance with Public Resources Code section 25540.6(b), a discussion of the applicant's site selection criteria, any alternative sites considered for the project, and the reasons why the applicant chose the proposed site.	Sec.1.5 Sec. 5 pp 5-1 to 5-4	Yes	
Appendix B (f) (2)	An evaluation of the comparative engineering, economic, and environmental merits of the alternatives discussed in subsection (f)(1).	Sec.1.5 Sec. 5, pp. 5-1 to 5-4	Yes	

Adequacy Issue: Adequate            Inadequate   **x**    
 Technical Area: **Biological Resources**  
 Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Newark Substation  
 Docket: 00-AFC-9

Revision No.            Date 10/12/00  
 Technical Staff: Linda Spiegel  
 Technical Senior: James Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Sec 8.2	No	Provide discussion of power plant site proper. Provide aerial photograph of suitable scale to show the condition and habitat types of the power plant site and surrounding areas. Facilities and habitats should be labeled. Provide contact information for CDFG and USFWS.
Appendix B (g) (13) (A)	A regional overview and discussion of biological resources, with particular attention to sensitive biological resources near the project, and a map at a scale of 1:100,000 (or some other suitable scale) showing their location in relation to the project.	Sec 8.2.1 Sec 8.2.2 Figure 8.2-1 Figure 8.2-2	Yes	
Appendix B (g) (13) (B)	A discussion and detailed maps at a scale of 1:6,000, of the biological resources at the site of the proposed project and related facilities, and in areas adjacent to them, out to a mile from the site and 1000 feet from the outer edge of linear facility corridors. Include a list of the species actually observed and those with a potential to occur. The discussion and maps shall address the distribution of community types, denning or nesting sites, population concentrations, migration corridors, breeding habitats, and the presence of sensitive biological resources.	Figure 8.2-3a Figure 8.2-3b Table 8.2-1 Table 8.2-2 Sec 8.2.2.2 Sec 8.2.2.3 Sec 8.2.2.4	No	Power plant site was not surveyed. Provide an aerial photograph of suitable scale to show the condition and habitat types of the power plant site and surrounding areas. Facilities and habitats should be labeled.

Adequacy Issue: Adequate            Inadequate   **x**    
 Technical Area:   **Biological Resources**    
 Project Manager:   Eileen Allen  

## DATA ADEQUACY WORKSHEET

Project:   Newark Substation    
 Docket:   00-AFC-9  

Revision No.            Date   10/12/00    
 Technical Staff:   Linda Spiegel    
 Technical Senior:   James Brownell  

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (13) (C)	A description of all studies and surveys used to provide biological information about the project site, including seasonal surveys and copies of the California Department of Fish and Game's Natural Diversity Data Base Survey Forms, "California Native Species Field Survey Forms", and "California Natural Community Field Survey Forms", completed by the applicant. Include the dates and duration of the studies, methods used to complete the studies, and the names and qualifications of individuals conducting the studies.	Sec 8.2.2.1 Sec 8.2.2.2 Sec 8.2.2.4	Yes	
Appendix B (g) (13) (D)	A discussion of all permanent and temporary impacts to biological resources from site preparation, construction activities, and plant operation. Discussion of impacts must consider impacts from cooling tower drift, and from the use and discharge of water during construction and operation. For facilities which use once-through cooling or take or discharge water directly from or to natural sources, discuss impacts resulting from entrainment, impingement, thermal discharge, effluent chemicals, type of pump (if applicable), temperature, volume and rate of flow at intake and discharge location, and plume configuration in receiving water.	Sec 8.2.3	Yes	
Appendix B (g) (13) (E)	A discussion of the following:			
Appendix B (g) (13) (E) (i)	All measures proposed to avoid and/or reduce any adverse impacts;	Sec 8.2.5	Yes	
Appendix B (g) (13) (E) (ii)	All measures proposed to mitigate any adverse impacts, including any proposals for off-site mitigation; and	Sec 8.2.5	Yes	
Appendix B (g) (13) (E) (iii)	Any educational programs proposed to enhance employee awareness in order to protect biological resources.	Sec 8.2.5	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   x    
 Technical Area:   Biological Resources    
 Project Manager:   Eileen Allen  

## DATA ADEQUACY WORKSHEET

Project:   Newark Substation    
 Docket:   00-AFC-9  

Revision No. \_\_\_\_\_ Date   10/12/00    
 Technical Staff:   Linda Spiegel    
 Technical Senior:   James Brownell  

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (13) (F)	A discussion of compliance and monitoring programs proposed to ensure the effectiveness of mitigation measures incorporated into the project.		NA	Not needed.
Appendix B (g) (13) (G)	A discussion of native fish and wildlife species of commercial and/or recreational value that could be impacted by the project.		Yes	No discussion provided, but area would not have commercial or recreational value.
Appendix B (g) (13) (H)	For purposes of this section, sensitive biological resources are one of the following:			
Appendix B (g) (13) (H) (i)	Species listed under state or federal Endangered Species Acts;	Sec 8.2.2.2 Sec 8.2.2.4	Yes	
Appendix B (g) (13) (H) (ii)	Resources defined in sections 1702 (q) and (v) of Title 20 of the California Code of Regulations; and	Sec 8.2.2.2 Sec 8.2.2.4	Yes	
Appendix B (g) (13) (H) (iii)	Species or habitats identified by legislative acts as requiring protection.	Sec 8.2.2.3	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 8.2-7	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 8.2-7	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   x    
 Technical Area:   Biological Resources    
 Project Manager:   Eileen Allen  

## DATA ADEQUACY WORKSHEET

Project:   Newark Substation    
 Docket:   00-AFC-9  

Revision No. \_\_\_\_\_ Date   10/12/00    
 Technical Staff:   Linda Spiegel    
 Technical Senior:   James Brownell  

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Table 8.2-7	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.		No	Provide contact information for CDFG and USFWS.
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.		NA	No permits should be required

Adequacy Issue:	Adequate _____ Inadequate <b>X</b>	<b>DATA ADEQUACY WORKSHEET</b>		Revision No. _____	Date <u>10/16/00</u>
Technical Area:	<b>Cultural Resources</b>	Project:	Newark Substation Reliability Generation Project	Technical Staff:	Gary Reinoehl
Project Manager:	<u>Eileen Allen</u>	Docket:	<u>00-AFC-9</u>	Technical Senior:	<u>Dale Edwards</u>

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 8.3.1.5, Section 8.3.2, 8.3.3, and 8.3.4	Yes	
Appendix B (g) (2) (A)	A brief summary of the ethnology, prehistory, and history of the region in which the project site and related facilities are located and maps at a scale of 1:24,000, indicating areas of ethnographic occupation. The region may vary depending on the extent of the territory occupied or used by prehistoric cultures indigenous to the area in which the project is located.	Section 8.3.1.1, 8.3.1.3, and 8.3.1.4. Figure 1.1-1 (pages 1-3) and Figure 8.3-1	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   X    
 Technical Area: **Cultural Resources**  
 Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Newark Substation Reliability Generation Project  
 Docket: 00-AFC-9

Revision No. \_\_\_\_\_ Date 10/16/00  
 Technical Staff: Gary Reinoehl  
 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (2) (B)	A description of all literature searches and field surveys used to provide information about known cultural resources in the project vicinity. If survey records of the area potentially physically affected by the project are not available, and the area has the potential for containing significant cultural resources, the applicant shall submit a new or revised survey for any portion of the area lacking comprehensive survey data. A discussion of the dates of the surveys, methods used in completing the surveys, and the identification and qualification of the individuals conducting the surveys shall be included.	Section 8.3.1.5 (page 8.3-11)	No	<p>Under the heading of "Architectural Reconnaissance," on page 8.3-11 there is a statement that the project team had not identified any potentially significant historic resources within the proposed project area.</p> <p>There is no information concerning dates and the methodology of the "Reconnaissance" or the values of the properties that were considered for significance.</p> <p>Please provide the date(s) of the architectural reconnaissance and the methodology used. Please provide the qualifications (resumes) of the architectural reconnaissance team members and of anyone evaluating cultural resources.</p> <p>Please include descriptions of cultural resources (buildings, structures, objects, sites, and districts) including the substation that could be affected either directly or indirectly by the project and an evaluation of the significance of the cultural resources.</p>
Appendix B (g) (2) (C)	A discussion of the sensitivity of the project area described in subsection (g)(2)(A) and the presence and significance of any known archeological sites and other cultural resources that may be affected by the project. Information on the specific location of archeological resources shall be included in a separate appendix to the application and submitted to the Commission under a request for confidentiality pursuant to Title 20, California Code of Regulations, § 2501 et seq.	Section 8.3.1.2 (page 8.3-4) and 8.3.2.2 (page 8.3-11)	No	Please provide site records for all cultural resources (preferably on a Department of Parks and Recreation 523A form) that could be affected directly or indirectly by the project.
Appendix B (g) (2) (D)	A summary of contacts and communications with, and responses from, Native American representatives who may have an interest in heritage lands and/or resources potentially affected by the proposed project.	Section 8.3.1.5 (page 8.3-11)	No	Please provide a summary of contacts with representatives of the Native American community.



Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X  
 Technical Area: **Cultural Resources**  
 Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Newark Substation Reliability Generation Project  
 Docket: 00-AFC-9

Revision No. \_\_\_\_\_ Date 10/16/00  
 Technical Staff: Gary Reinoehl  
 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (2) (E)	In the discussion on mitigation and monitoring prepared pursuant to subsection (g)(1), a discussion of any educational programs proposed to enhance awareness of potential impacts to archeological resources by employees and contractors, measures proposed for mitigation of impacts to known cultural resources, and a set of contingency measures for mitigation of potential impacts to previously unknown cultural resources.	Section 8.3.4.1	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Section 8.3.5 (pages 8.3-16 and -17) and Table 8.3-1	No	Sections 8.3.7 and 8.3.4.1 indicate that the U.S. Fish and Wildlife Service is involved in the project, but there are no LORS listed that require the USFWS to take an action. Section 8.4, Land Use, does not indicate that USFWS lands are involved. Please update these sections to reflect the lands involved and the appropriate LORS. Section 8.3.5 and Table 8.3-1 cites Appendix K of CEQA. Appendix K was removed from the CEQA with the 1998 amendments. Please update this section. Please include applicable local LORS from the City of Fremont
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 8.3-2 and Section 8.3-7 (page 8.3-17)	No	Section 8.3.7 indicates that permits might be required from the ACOE and the USFWS, but these agencies are not listed in Table 8.3-2. The Land Use section does not indicate that there is land involved in the project owned by ACOE or the USFWS. Please identify each agency with jurisdiction to issue applicable permits and enforce identified laws, regulations, standards, and local LORS.
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Table 8.3-1 and Section 8.3.5 (pages 8.3-16 and -17).	No	If federal, state or local permits are necessary for this project, please provide a discussion of the conformity of the project with these additional requirements.

Adequacy Issue:	Adequate _____ Inadequate <u><b>X</b></u>	<b>DATA ADEQUACY WORKSHEET</b>		Revision No. _____	Date <u>10/16/00</u>
Technical Area:	<b>Cultural Resources</b>	Project:	Newark Substation Reliability Generation Project	Technical Staff:	Gary Reinoehl
Project Manager:	<u>Eileen Allen</u>	Docket:	<u>00-AFC-9</u>	Technical Senior:	<u>Dale Edwards</u>

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Page 8.3-12 and -17	No	Section 8.3.7 (page 8.3-17) indicates that permits may be required for the ACOE and USFWS, but there is no listing of agency officials, addresses, or phone numbers in Table 8.3-2. Please provide the name, title, phone number, if known of an official with the City of Fremont and any federal or state agency responsible for permits required for the project.
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Section 8.3.7 (page 8.3-17)	No	No schedule or steps taken or plans to obtain permits were provided. Please update this section.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X **DATA ADEQUACY WORKSHEET** Revision No. 0 Date 10/17/00  
 Technical Area: **Efficiency** Project: Newark Substation Reliability Generation Project Technical Staff: Robert Anderson  
 Project Manager: Eileen Allen Docket: 00-AFC-09 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 1.1, Section 1.7.4, Section 2.1, Section 2.2.16, Section 9.3	Yes	
Appendix B (i) (4) (A)	Heat and mass balance diagrams for design conditions for each mode of operation.	Figure 2.2.5	Yes	
Appendix B (i) (4) (B)	Annual fuel consumption in BTUs for each mode of operation.	Section 2.2.6, Section 9.3	Yes	
Appendix B (i) (4) (C)	Annual net electrical energy produced in MWh for each mode of operation.	Section 9.3	Yes	
Appendix B (i) (4) (D)	Number of hours the plant will be operated in each mode of operation in each year.	Section 9.3	Yes	
Appendix B (i) (4) (E)	If the project will be a cogeneration facility, calculations showing compliance with applicable efficiency and operating standards.	Not Applicable	Not Applicable	
Appendix B (i) (4) (F)	A discussion of alternative generating technologies available for the project, including the projected efficiency of each, and an explanation why the chosen equipment was selected over these alternatives.	Section 5.5 through 5.7	No	Please discuss alternative generating technologies that may provide a similar level of performance to what is proposed in the AFC. If no such technologies exist then state so.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   X   **DATA ADEQUACY WORKSHEET** Revision No.   0   Date   10/17/00    
 Technical Area: **Efficiency** Project: Newark Substation Reliability Generation Project Technical Staff: Robert Anderson  
 Project Manager: Eileen Allen Docket: 00-AFC-09 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Not Applicable	Not Applicable	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Not Applicable	Not Applicable	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Not Applicable	Not Applicable	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Not Applicable	Not Applicable	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Not Applicable	Not Applicable	

Adequacy Issue: Adequate ☒ Inadequate ☐  
 Technical Area: **Facility Design**  
 Project Manager: Eileen Allen

**DATA ADEQUACY WORKSHEET**  
 Project: Newark Substation Reliability Generation Project  
 Docket: 00-AFC-09

Revision No. \_\_\_\_\_ Date 10/13/00  
 Technical Staff: Robert Anderson & Kisabuli  
 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (14) (B) (iii)	Water inundation zones, such as the 100-year flood plain and tsunami run-up zones.	Figure 8.14-1, Section 8.14.1.3, and 8.14.2.4	Yes	
Appendix B (g) (14) (D) (i)	Precipitation and storm runoff patterns; and	Figure 8.14-1, Section 8.14.1.3 Section 8.14.1.1 Tables 8.14-1 and 8.14-2 Section 8.14.2.4	Yes	
Appendix B (g) (14) (D) (ii)	Drainage facilities and design criteria.	Section 8.14.2.4 and 8.14.3	Yes	
Appendix B (g) (14) (E) (ii)	The effects of construction activities and plant operation on water quality; and			
Appendix B (g) (14) (iii)	The effects of the project on the 100-year flood plain or other water inundation zones.	Section 8.14.2.4	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Tables 8.15-2 and 9.4-1	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Tables 9.4-1	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Tables 8.15-2 and 9.4-1	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐  
 Technical Area: **Facility Design**  
 Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Newark Substation Reliability Generation Project  
 Docket: 00-AFC-09

Revision No. \_\_\_\_\_

Technical Staff: Robert Anderson & Kisabuli  
 Technical Senior: Steve Baker

Date 10/13/00

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (3)	The name, title, telephones number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Tables 8.15-3 and 9.4-2	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Tables 8.15-4 and 9-4-2	Yes	
Appendix B (i) (1) (A)	A description of the site conditions and investigations or studies conducted to determine the site conditions used as the basis for developing design criteria. The descriptions shall include, but not be limited to, seismic and other geologic hazards, adverse conditions that could affect the project's foundation, adverse meteorological and climatic conditions, and flooding hazards, if applicable.	Section 8.15. Appendix 9E	Yes	
Appendix B (i) (1) (B)	A discussion of any measures proposed to improve adverse site conditions.	Section 8.15	Yes	
Appendix B (i) (1) (C)	A description of the proposed foundation types, design criteria (including derivation), analytical techniques, assumptions, loading conditions, and loading combinations to be used in the design of facility structures and major mechanical and electrical equipment.	Appendix 9B	Yes	
Appendix B (i) (1) (D)	For each of the following facilities and/or systems, provide a description including drawings, dimensions, surface-area requirements, typical operating data, and performance and design criteria for protection from impacts due to adverse site conditions:	See below	--	
Appendix B (i) (1) (D) (i)	The power generation system;	Section 2.2.4, 2.2.5 thro' 2.2.9, Appendix 9C	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐  
 Technical Area: **Facility Design**  
 Project Manager: Eileen Allen

**DATA ADEQUACY WORKSHEET**  
 Project: Newark Substation Reliability Generation Project  
 Docket: 00-AFC-09

Revision No. \_\_\_\_\_ Date 10/13/00  
 Technical Staff: Robert Anderson & Kisabuli  
 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (1) (D) (ii)	The heat dissipation system;	Section 2.2.7	Yes	
Appendix B (i) (1) (D) (iii)	The cooling water supply system, and, where applicable, pre-plant treatment procedures;	N/A	N/A	
Appendix B (i) (1) (D) (iv)	The atmospheric emission control system;	Section 2.2.11 and 8.1	Yes	
Appendix B (i) (1) (D) (v)	The waste disposal system and on-site disposal sites;	Section 2.2.9 and 8.13	Yes	
Appendix B (i) (1) (D) (vii)	The geothermal resource conveyance and re-injection lines (if applicable);	N/A	N/A	
Appendix B (i) (1) (D) (viii)	Switchyards/transformer systems; and	Section 2.2.5, 2.2.23.2, 2.2.5.1, 2.2.24, and 6	Yes	
Appendix B (i) (1) (D) (ix)	Other significant facilities, structures, or system components proposed by the applicant.	Section 1.1 and Appendices 9A through 9E	Yes	

Adequacy Issue: Adequate ☒ Inadequate \_\_\_\_\_  
 Technical Area: **Geological Hazards**  
 Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Newark Substation Reliability Generation Project  
 Docket: 00-AFC-09

Revision No. \_\_\_\_\_ Date 10/13/00  
 Technical Staff: Robert Anderson  
 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Sections 8.15.1.3, 8.15.1.5 through 8.15.3	Yes	
Appendix B (g) (17) (A)	A summary of the geology, seismicity, and geologic resources of the project site and related facilities;	Section 8.15.1.1 through 8.15.2.2	Yes	
Appendix B (g) (17) (B)	A map at a scale of 1:24,000 and description of all recognized stratigraphic units, geologic structures, and geomorphic features within 2 miles of the project site. Include an analysis of the likelihood of ground rupture, seismic shaking, mass wasting and slope stability, liquefaction, subsidence, and expansion or collapse of soil structures.	Figure 8.15-1, Sections 8.15.1.1, 8.15.1.3 through 8.16.2.2	Yes	
Appendix B (g) (17) (C)	A map and description of geologic resources of recreational, commercial, or scientific value which may be affected by the project. Include a discussion of the techniques used to identify and evaluate these resources.	Figure 8.15-1, 8.15.1.7	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Section 8.15.5 through 8.15.6 and Table 8.15-2  Sections 9A2.2 through 9A2.2.3	Yes	



Adequacy Issue: Adequate ☒ Inadequate ☐  
 Technical Area: **Geological Hazards**  
 Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Newark Substation Reliability Generation Project  
 Docket: 00-AFC-09

Revision No. \_\_\_\_\_ Date 10/13/00  
 Technical Staff: Robert Anderson  
 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 8.15-3	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 8.15.5 through 8.15.6  Sections 9A2.2 through 9A2.2.3	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 8.15-3	Yes	

Adequacy Issue: Adequate ☒ Inadequate

Technical Area: **Hazardous Materials Handling**

Project Manager: E. Allen

## DATA ADEQUACY WORKSHEET

Project: Newark Substation Reliability Generation Project

Docket: 00-AFC-9

Revision No. 0

Date 10/5/00

Technical Staff: R. Sundareswaran

Technical Senior: R. Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 8.12	Yes	
Appendix B (g) (10) (A)	A list of all materials used or stored on-site which are hazardous or acutely hazardous, as defined in Title 22, California Code of Regulations, § 66261.20 et seq., and a discussion of the toxicity of each material.	Table 8.12-2	Yes	
Appendix B (g) (10) (B)	A map at a scale of 1:24,000 depicting the location of schools, hospitals, day-care facilities, emergency response facilities and long-term health care facilities, within the area potentially affected by any release of hazardous materials.	Figure 8.12-1	Yes	
Appendix B (g) (10) (C)	A discussion of the storage and handling system for each hazardous material used or stored at the site.	Section 8.12.1.2	Yes	
Appendix B (g) (10) (D)	The protocol that will be used in modeling potential consequences of accidental releases that could result in off site impacts. Identify the model(s) to be used, a description of all input assumptions, including meteorological conditions. The results of the modeling analysis can be submitted after the AFC is complete.	Section 8.12.2	Yes	
Appendix B (g) (10) (E)	A discussion of whether a risk management plan (Health and Safety Code § 25531 et seq.) will be required, and if so, the requirements that will likely be incorporated into the plan.	Sections 8.12..1.2 & 8.12. 5. 4	Yes	

Adequacy Issue: Adequate ☒ Inadequate

Technical Area: **Hazardous Materials Handling**

Project Manager: E. Allen

## DATA ADEQUACY WORKSHEET

Project: Newark Substation Reliability Generation Project

Docket: 00-AFC-9

Revision No. 0

Date 10/5/00

Technical Staff: R. Sundareswaran

Technical Senior: R. Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (10) (F)	A discussion of measures proposed to reduce the risk of any release of hazardous materials.	Section 8.12.5.2	Yes	
Appendix B (g) (10) (G)	A discussion of the fire and explosion risks associated with the project.	Section 8.12.3	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 8.12-6	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 8.12-7	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 8.12.5.4	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 8.12-7	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	NA	NA	No permits are required

Adequacy Issue: Adequate ☒ Inadequate

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date October 20, 2000

Technical Area: **Public Health**

Project: Newark Substation Reliability Generation Project

Technical Staff: Obed Odoemelam

Project Manager: Eileen Allen

Docket: 00-AFC-9

Technical Senior: Bob Haussler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 8.6, pages 8.6-1 and 8.6-2	Yes	
Appendix B (g) (9) (A)	A list of all toxic substances emitted by the project under normal operating conditions, which may cause an adverse public health impact as a result of acute, chronic, or sub-chronic exposure and to which members of the public may be exposed. This list should include, at a minimum, any pollutants emitted by the project that are listed pursuant to Health and Safety Code § 25249.8.	Section 8.6, pages 8.6-2, 8.6-4, and 8.6-5	Yes	
Appendix B (g) (9) (B)	A protocol describing the analysis which the applicant will conduct to determine the extent of potential public exposure to substances identified in subsection (g)(9)(A) resulting from normal facility operation. The analysis itself can be submitted after the AFC is complete.	Section 8.6, pages 8.6-5 and 8.6-6	Yes	
Appendix B (g) (9) (C)	A map at a scale of 1:24,000, showing all terrain areas exceeding the elevation of the stack within a 10 mile radius of the facility.	Section 8.6, page 8.6-3	Yes	
Appendix B (g) (9) (D)	A map at a scale of 1:24,000, showing the distribution of population and sensitive receptors within the area exposed to the substances identified in subsection (g)(9)(A).	Section 8.6, page 8.6-3	Yes	

Adequacy Issue: Adequate ☒ Inadequate

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date October 20, 2000

Technical Area: **Public Health**

Project: Newark Substation Reliability Generation Project

Technical Staff: Obed Odoemelam

Project Manager: Eileen Allen

Docket: 00-AFC-9

Technical Senior: Bob Haussler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Section 9.6, page 8.6-9	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Section 8.6, page 8.6-9	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 8.6, page 8.6-9	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Section 8.6, page 8.6-9	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Section 8.6, page 8.6-9	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   X  Technical Area: **Land Use**Project Manager: Eileen Allen**DATA ADEQUACY WORKSHEET**Project: Newark Substation Reliability Generation ProjectDocket: 00-AFC-9Revision No.   1   Date October 18, 2000Technical Staff: Eric KnightTechnical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Page 8.4-2; Section 8.4.1.2 Pages 8.4-8 – 8.4-10; Section 8.4.2.2 Page 8.4-10; Section 8.4.3	NO	Cumulative impacts may be caused if a project would have effects that are individually limited but cumulatively considerable when viewed together with the effects of closely related past, present, or reasonably foreseeable, probable future projects. The cumulative analysis in the AFC is limited to the following statement: "Because the project will not cause significant land use impacts, it will not contribute to significant cumulative impacts on land use" (Page 8.4-10). No mention is made of any closely related past, present, or reasonably foreseeable, probable future projects which when viewed together with the proposed project would cause cumulative impacts. Please revise the AFC to include a discussion of any cumulative impacts that may be caused when the project is viewed together with the effects of closely related past, present, or reasonably foreseeable, probable future projects, and whether these cumulative impacts, if any, would be significant.
Appendix B (g) (3) (A)	A discussion of existing land uses and current zoning at the site, land uses and land use patterns within one mile of the proposed site and within one-quarter mile of any project-related linear facilities. Include:	Page 8.4-2; Section 8.4.1.2 Page 8.4-4 – 8.4-7; Section 8.4.1.3	YES	
Appendix B (g) (3) (A) (i)	An identification of residential, commercial, industrial, recreational, scenic, agricultural, natural resource protection, natural resource extraction, educational, religious, cultural, and historic areas, and any other area of unique land uses;	Page 8.4-2; Section 8.4.1.2	YES	
Appendix B (g) (3) (A) (ii)	A discussion of any trends in recent zoning changes and potential future land use development;	Page 8.4-8; Section 8.4.1.4	NO	Please discuss any trends in recent zoning changes in the project area. If there are none, please provide a statement as such.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

# DATA ADEQUACY WORKSHEET

Revision No. 1 Date October 18, 2000

Technical Area: **Land Use**

Project: Newark Substation Reliability Generation Project

Technical Staff: Eric Knight

Project Manager: Eileen Allen

Docket: 00-AFC-9

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (3) (A) (iii)	Identification of all discretionary reviews by public agencies initiated or completed within 18 months prior to filing the application for those changes or developments identified in subsection (g)(3)(A)(ii); and		NO	Please provide an identification of all discretionary reviews by public agencies initiated or completed within 18 months prior to filing the AFC for those changes or developments identified in subsection (g)(3)(A)(ii).
Appendix B (g) (3) (A) iv)	Legible maps of the areas identified in subsection (g)(3)(A) potentially affected by the project, on which existing land uses, jurisdictional boundaries, general plan designations, specific plan designations, and zoning have been clearly delineated.	Figures 8.4-1 – 8.4-3	NO	The project site is not consistently depicted on each figure. Please revise the maps to clearly and consistently depict the proposed project site. The maps do not depict the location of the gas pipeline route. Please also revise all maps so that the gas pipeline is clearly shown. Figure 8.4-1 appears to depict existing land uses. In a couple of areas on the map existing land uses are not clearly shown: a large area to the north of the site and the transmission line corridor; and the area immediately west of the Newark City Boundary and within the one-mile radius from the project site. Please revise Figure 8.4-1 to clearly depict existing land uses in the project area. Please also change the title to read "Existing Land Uses." On Figure 8.4-2, a zoning district is not depicted for the area immediately west of the Newark City Boundary and within the one-mile radius from the project site. Please revise Figure 8.4-2 to include the zoning district for this area. Figure 8.4-3 depicts "planning areas." This figure should provide the actual General Plan designations from the Fremont and Newark general plans. Please revise the figure to clearly depict general plan designations.
Appendix B (g) (3) (B)	A discussion of the compatibility of the proposed facilities with present and expected land uses, and conformity with any long-range land use plans adopted by any federal, state, regional, or local planning agency. The discussion shall identify the need, if any, for variances or any measures that would be necessary to make the proposal conform with permitted land uses	Page 8.4-9; Section 8.4.2.2 Pages 8.4-11 – 8.4-13; Section 8.4.5.3 Page 8.11-13; Table 8.11-4	YES	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   X  

# DATA ADEQUACY WORKSHEET

Revision No.   1   Date   October 18, 2000  

Technical Area: **Land Use**

Project: Newark Substation Reliability Generation Project

Technical Staff: Eric Knight

Project Manager: Eileen Allen

Docket: 00-AFC-9

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (15) (B)	A map at a scale of 1:24,000 and written description of agricultural land uses found within all areas affected by the proposed project. The description shall include:	Figure 8.4-1 Page 8.9.2; Section 8.9.1.2	YES	
Appendix B (g) (15) (B) (i)	Crop types, irrigation systems, and any special cultivation practices; and	Page 8.9.2; Section 8.9.1.2	YES	
Appendix B (g) (15) (B) (ii)	Whether farmland affected by the project is prime, of statewide importance, or unique as defined by the Natural Resource Conservation Service of the California Department of Conservation.	Page 8.9.2; Section 8.9.1.2	YES	
Appendix B (g) (15) (C)	An assessment of the effects of the proposed project on soil resources and agricultural land uses. This decision shall include:	Page 8.9.2; Section 8.9.1.2 Pages 8.9-6 – 8.9-7; Section 8.9.2.2	YES	
Appendix B (g) (15) (C) (ii)	Direct and indirect effects on agricultural land uses; and	Page 8.9.2; Section 8.9.1.2 Pages 8.9-6 – 8.9-7; Section 8.9.2.2	YES	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Tables 8.4-2 and 8.4-3 Page 8.11-13; Table 8.11-4	YES	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 8.4-2	YES	



Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

# DATA ADEQUACY WORKSHEET

Revision No. 1 Date October 18, 2000

Technical Area: **Land Use**

Project: Newark Substation Reliability Generation Project

Technical Staff: Eric Knight

Project Manager: Eileen Allen

Docket: 00-AFC-9

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Pages 8.4-10 – 8.4-14; Section 8.4.5 Page 8.11-13; Table 8.11-4	YES	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Tables 8.4-2 and 8.9-4	YES	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Table 8.4-3 Page 8.11-13; Table 8.11-4	NO	The Fremont Zoning Ordinance restricts structure height to 40 feet in the General Industrial District. The AFC states that project would appear to qualify for an exception provided by the ordinance to allow the project's 50-foot tall stacks. As described in the AFC, to obtain a height exception requires that an "application for a finding" be made to the City. Please provide a schedule indicating when the applicant will obtain the height exception and the steps the applicant has taken or plans to take to obtain the exception.

Adequacy Issue: Adequate ☒ Inadequate ☐  
 Technical Area: **Noise**  
 Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date October 18, 2000  
 Technical Staff: Steve Baker  
 Technical Senior: Steve Baker

Project: Newark Substation Reliability Generation Project  
 Docket: 00-AFC-9

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	§§ 1.7.2, 2.2.4, 2.2.14; Chapter 8.5	Yes	
Appendix B (g) (4) (A)	A land use map which identifies residences, hospitals, libraries, schools, places of worship, or other facilities where quiet is an important attribute of the environment within the area impacted by the proposed project. The area impacted by the proposed project is that area where there is a potential increase of 5 dB(A) or more, during either construction or operation, over existing background levels.	Figure 8.5-1	Yes	
Appendix B (g) (4) (B)	A description of the ambient noise levels at those sites identified under subsection (g)(4)(A) which the applicant believes provide a representative characterization of the ambient noise levels in the project vicinity, and a discussion of the general atmospheric conditions, including temperature, humidity, and the presence of wind and rain at the time of the measurements. The existing noise levels shall be determined by taking noise measurements for a minimum of 25 consecutive hours at a minimum of one site. Other sites may be monitored for duration at the applicant's discretion during the same 25-hour period. The results of the noise level measurements shall be reported in $L_{eq}$ (equivalent sound or noise level), $L_{dn}$ (day-night sound or noise level) or CNEL (Community Noise Equivalent Level) in units of dB(A). The $L_{10}$ , $L_{50}$ , and $L_{90}$ values (noise levels exceeded 10 percent, 50 percent, and 90 percent of the time, respectively) shall also be reported.	§§ 8.5.1.1, 8.5.1.3; Table 8.5-1; Figures 8.5-2, 8.5-3	Yes	
Appendix B (g) (4) (C)	A description of the major noise sources of the project, including the range of noise levels and the tonal and frequency characteristics of the noise emitted.	§§ 8.5.2.1, 8.5.2.2, 8.5.3; Table 8.5-2	Yes	

Adequacy Issue: Adequate   X   Inadequate         
 Technical Area: **Noise**  
 Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Revision No.   0   Date   October 18, 2000    
 Project: Newark Substation Reliability Generation Project Technical Staff: Steve Baker  
 Docket: 00-AFC-9 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (4) (D)	An estimate of the project noise levels, during both construction and operation, at residences, hospitals, libraries, schools, places of worship or other facilities where quiet is an important attribute of the environment, within the area impacted by the proposed project.	§§ 8.5.2.1, 8.5.2.2, 8.5.3; Tables 8.5-3, 8.5-4, 8.5-5	Yes	
Appendix B (g) (4) (E)	An estimate of the project noise levels within the project site boundary during both construction and operation and the impact to the workers at the site due to the estimated noise levels.	§§ 8.5.2, 8.5.5.1, 8.5.5.2	Yes	
Appendix B (g) (4) (F)	The audible noise from existing switchyards and overhead transmission lines that would be affected by the project and estimates of the future audible noise levels that would result from existing and proposed switchyards and transmission lines. Noise levels shall be calculated at the property boundary for switchyards and at the edge of the rights-of-way for transmission lines.	N/A	N/A	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 8.5-6	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 8.5-7	Yes	

Adequacy Issue: Adequate   X   Inadequate       

Technical Area: **Noise**

Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Newark Substation Reliability Generation Project

Docket: 00-AFC-9

Revision No.   0   Date   October 18, 2000  

Technical Staff:   Steve Baker  

Technical Senior:   Steve Baker  

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	§§ 8.5.1.3, 8.5.2.1, 8.5.2.2, 8.5.3, 8.5.4, 8.5.5.3	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 8.5-7	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	N/A	N/A	

Adequacy Issue: Adequate ☒ Inadequate ☐

Technical Area: **Paleontological Resources**

Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Newark Substation Reliability Generation Project

Docket: 00-AFC-09

Revision No. 0 Date 10/13/00

Technical Staff: Robert Anderson

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Sections 8.16.1.1, 8.16.2.2 through 8.16.4	Yes	
Appendix B (g) (16) (A)	Identification of the physiographic province and a brief summary of the geologic setting, formations, and stratigraphy of the project area. The area may vary depending on the depositional history of the area.	Sections 8.16.1.1 and 8.16.1.2	Yes	
Appendix B (g) (16) (B)	A discussion of the sensitivity of the project area described in subsection (g)(16)(A) and the presence and significance of any known paleontologic localities or other paleontologic resources within or adjacent to the project.	Sections 8.16.1.5 through 8.16.2.2	Yes	
Appendix B (g) (16) (C)	A summary of all literature searches and field surveys used to provide information about paleontologic resources in the project area described in subsection (g)(16)(A). Identify the dates of the surveys, methods used in completing the surveys, and the names and qualifications of the individuals conducting the surveys.	Sections 8.16.1.3 through 8.16.1.5	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐

Technical Area: **Paleontological Resources**

Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Newark Substation Reliability Generation Project

Docket: 00-AFC-09

Revision No. 0 Date 10/13/00

Technical Staff: Robert Anderson

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (16) (D)	Information on the specific location of known paleontologic resources, survey reports, locality records, and maps at a scale of 1:24,000, shall be included in a separate appendix to the Application and submitted to the Commission under a request for confidentiality, pursuant to Title 20, California Code of Regulations, § 2501 et seq.	Section 8.16.1.5	Yes	
Appendix B (g) (16) (E)	A discussion of any educational programs proposed to enhance awareness of potential impacts to paleontological resources by employees, measures proposed for mitigation of impacts to known paleontologic resources, and a set of contingency measures for mitigation of potential impacts to currently unknown paleontologic resources.	Section 8.16.4	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 8.16-2	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐

Technical Area: **Paleontological Resources**

Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Newark Substation Reliability Generation Project

Docket: 00-AFC-09

Revision No. 0 Date 10/13/00

Technical Staff: Robert Anderson

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Not Applicable	Not Applicable	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Sections 8.16.4 and 8.16.5	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Not Applicable	Not Applicable	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Not Applicable	Not Applicable	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate \_\_\_\_\_

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date 10/20/00

Technical Area: **Project Overview**

Project: Newark Substation Reliability Generation Project

Technical Staff: Eileen Allen

Eileen Allen

Docket: 00-AFC-9

Technical Senior: Roger E. Johnson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Cal. Code Regs., tit. 20, § 1704, (a) (3) (A)	Descriptions of all significant assumptions, methodologies, and computational methods used in arriving at conclusions in the document.	Various AFC sections	Yes	
Cal. Code Regs., tit. 20, § 1704, (a) (3) (B)	Descriptions, including methodologies and findings, of all major studies or research efforts undertaken and relied upon to provide information for the document; and a description of ongoing research of significance to the project (including expected completion dates; and	Various AFC sections	Yes	
Cal. Code Regs., tit. 20, § 1704, (a) (3) (C)	A list of all literature relied upon or referenced in the documents, along with brief discussions of the relevance of each such reference	Various AFC sections	Yes	
Cal. Code Regs., tit. 20, § 1704, (a) (4)	Each principal subject area covered in a notice or application shall be set forth in a separate chapter or section, each of which shall identify the person or persons responsible for its preparation.	Various AFC sections Appendix 1A	Yes	
Appendix B (a) (1) (A)	A general description of the proposed site and related facilities, including the location of the site or transmission routes, the type, size and capacity of the generating or transmission facilities, fuel characteristics, fuel supply, water supply, pollution control systems, and other general characteristics.	Section 2.1, p.2-1	No	Please provide the street address for the proposed site if known, if not provide the nearest cross streets.
Appendix B (a) (1) (B)	Identification of the location of the proposed site and related facilities by section, township, range, county and assessors parcel numbers.	Section 2.1, p.2-1	No	Please provide the location of proposed site and related facilities by section, township, range, county, and assessor's parcel number.
Appendix B (a) (1) (C)	A description of and maps depicting the region, the vicinity, and the site and its immediate surroundings.	Section 1.0 Section 8.4.1	Yes	
Appendix B (a) (1) (D)	A full-page color photographic reproduction depicting the visual appearance of the site prior to construction, and a full-page color simulation or artist's rendering of the site and all project components at the site, after construction.	Section 2.0, Figures 2.2-3 and 2.2-4	Yes	



Adequacy Issue: Adequate \_\_\_\_\_ Inadequate \_\_\_\_\_

Technical Area: **Project Overview**

Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Newark Substation Reliability Generation Project

Docket: 00-AFC-9

Revision No. 0 Date 10/20/00

Technical Staff: Eileen Allen

Technical Senior: Roger E. Johnson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (a) (1) (E)	In an appendix to the application, a list of current assessor's parcel numbers and owners' names and addresses for all parcels within 500 feet of the proposed transmission line and other linear facilities, and within 1000 feet of the proposed powerplant and related facilities.	Appendix 1B	No	Please provide a complete list. The addresses for some of the property owners are incomplete.
Appendix B (a) (2)	Project Schedule: Proposed dates of initiation and completion of construction, initial start-up, and full-scale operation of the proposed facilities.	Section 1.3, p.1-6	No	Please provide proposed dates of initiation and completion of construction, and initial start-up.
Appendix B (a) (3) (A)	A list of all owners and operators of the site(s), the power plant facilities, and, if applicable, thermal host, the geothermal leasehold, the geothermal resource conveyance lines, and the geothermal re-injection system, and a description of their legal interest in these facilities.	Section 1.4	Yes	
Appendix B (a) (3) (B)	A list of all owners and operators of the proposed electric transmission facilities.	Section 2.2.13	Yes	
Appendix B (a) (3) (C)	A description of the legal relationship between the applicant and each of the persons or entities specified in subsections (a)(3)(A) and (B).	Section 1.1 Section 1.4	Yes	
Appendix B (b) (1) (A)	Maps at a scale of 1:24,000 (1" = 2000'), along with an identification of the dedicated leaseholds by section, township, range, county, and county assessor's parcel number, showing the proposed final locations and layout of the power plant and all related facilities;	Section 2, Figure 1.1-1 Figure 8.4-1	No	Please provide the location of proposed site and related facilities by section, township, range, county, and assessor's parcel number.
Appendix B (b) (1) (B)	Scale plan and elevation drawings depicting the relative size and location of the power plant and all related facilities;	Section 2, Figure 2.2-1 Figure 2.2-2	Yes	Please enlarge this figure in order to make the labels legible.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate \_\_\_\_\_

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date 10/20/00

Technical Area: **Project Overview**

Project: Newark Substation Reliability Generation Project

Technical Staff: Eileen Allen

Eileen Allen

Docket: 00-AFC-9

Technical Senior: Roger E. Johnson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (1) (C)	A detailed description of the design, construction and operation of the facilities, specifically including the power generation, cooling, water supply and treatment, waste handling and control, pollution control, fuel handling, and safety, emergency and auxiliary systems, and fuel types and fuel use scenarios; and	Section 2.0 Section 9.0	Yes	
Appendix B (b) (2) (A)	Maps at a scale of 1:24,000 of each proposed transmission line route, showing the settled areas, parks, recreational areas, scenic areas, and existing transmission lines within one mile of the proposed route(s).		N/A	
Appendix B (b) (2) (B)	A full-page color photographic reproduction depicting a representative above ground section of the transmission line route prior to construction and a full-page color photographic simulation of that section of the transmission line route after construction.		N/A	
Appendix B (c)	In a section entitled, "Demand Conformance" provide a discussion explaining how the proposed project conforms with the requirements of Public Resources Code § 25524 or Public Resources Code § 25540.6(a)(5). If the provisions of Public Resources Code § 25523.5 are applicable, explain how the project conforms with the requirements of this section. Additional data adequacy requirements may be contained in the Electricity Report applicable pursuant to Title 20, California Code of Regulations, § 1720.5.	Section 3.0	Yes	
Appendix B (d) (1)	A copy of any study or analysis required by the terms of the Commission's Final Decision on the NOI, and a brief summary of the results of the study or analysis.		N/A	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate \_\_\_\_\_

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date 10/20/00

Technical Area: **Project Overview**

Project: Newark Substation Reliability Generation Project

Technical Staff: Eileen Allen

Eileen Allen

Docket: 00-AFC-9

Technical Senior: Roger E. Johnson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (d) (2)	Updates of any significant information which has changed since the Commission's Final Decision on the NOI.		N/Aa	
Appendix B (e) (1)	A discussion of how facility closure will be accomplished in the event of premature or unexpected cessation of operations.	Section 4.0	Yes	
AB 970 (Public Resources Code §25552)	<p>To qualify for an expedited decision, the AFC must include descriptions of proposed conditions of certification that will assure that the project:</p> <ul style="list-style-type: none"> <li>• will not have a significant adverse impact on the environment;</li> <li>• will protect public health and safety;</li> <li>• will result in compliance with all applicable federal, state, and local laws, ordinances, and standards;</li> <li>• will be in service before August 1, 2000; and</li> <li>• will ensure that the power plant will cease to operate or be replaced with a combined cycle power plant within three years.</li> </ul>	Entire AFC	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐

Technical Area: **Reliability**

Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Newark Substation Reliability Generation Project

Docket: 00-AFC-09

Revision No. 0 Date 10/17/00

Technical Staff: Robert Anderson

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 1.1, Section 1.6, Section 2.1 through Section 2.25.1, Section 6.1.2, Section 8.1.5.1, Section 8.1.8, Section 8.14.2.4, Section 8.14.2.7	Yes	
Appendix B (i) (3) (A)	A discussion of the sources and availability of the fuel or fuels to be used over the estimated service life of the facilities.	Section 2.2.6 Section 9.2.1	Yes	
Appendix B (i) (3) (B)	A discussion of the anticipated service life and degree of reliability expected to be achieved by the proposed facilities based on a consideration of:	_____	_____	
Appendix B (i) (3) (B) (i)	Expected annual and lifetime capacity factors;	Section 9.2.2	Yes	
Appendix B (i) (3) (B) (ii)	The demonstrated or anticipated feasibility of the technologies, systems, components, and measures proposed to be employed in the facilities, including the power generation system, the heat dissipation system, the water supply system, the reinjection system, the atmospheric emission control system, resource conveyance lines, and the waste disposal system;	Section, 2.2.7.4, Sections 2.2.8.1 through 2.2.12.3, Section 8.14.2.1	Yes	
Appendix B (i) (3) (B) (iii)	Geologic and flood hazards, meteorologic conditions and climatic extremes, and cooling water availability;	Section 2.3.1, Section 8.14.1.1, Section 8.14.1.3, Section 8.14.2.1, Sections 8.15.2.1 and 8.15.2.2, Section 9.2.2, Section 9B5.2	Yes	
Appendix B (i) (3) (B) (iv)	Special design features adopted by the applicant or resource supplier to ensure power plant reliability; and	Section 2.2.5.3, Section 2.2.7.4	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐  
 Technical Area: **Reliability**  
 Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Newark Substation Reliability Generation Project  
 Docket: 00-AFC-09

Revision No. 0 Date 10/17/00  
 Technical Staff: Robert Anderson  
 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (3) (B) (v)	The expected power plant maturation period.	Section 9.2.2	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Not Applicable		
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Not Applicable	Not Applicable	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Not Applicable	Not Applicable	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Not Applicable	Not Applicable	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Not Applicable	Not Applicable	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   X    
 Technical Area: **Socioeconomics**  
 Project Manager: Eileen Allen

# DATA ADEQUACY WORKSHEET

Project: Newark Substation Reliability Generation Project  
 Docket: 00-AFC-09

Revision No.   0   Date October 17, 2000  
 Technical Staff: Jim Adams  
 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	AFC Section 8.8	Yes	
Appendix B (g) (7) (A)	A description of the socioeconomic circumstances of the vicinity and region affected by construction and operation of the project. Include:			
Appendix B (g) (7) (A) (i)	The economic characteristics, including the economic base, fiscal resources, and a list of the applicable local agencies with taxing powers and their most recent and projected revenues;	Sect. 8.8.1.7	Yes	
Appendix B (g) (7) (A) (ii)	The social characteristics, including population and demographic and community trends;	Sect. 8.8.1.1 & 8.8.3.3 Table 8.8-8	Yes	
Appendix B (g) (7) (A) (iii)	Existing and projected unemployment rates;	Sect. 8.8.1.3	Yes	
Appendix B (g) (7) (A) (iv)	Availability of skilled workers by craft required for construction and operation of the project;	Sect. 8.8..1.3	Yes	
Appendix B (g) (7) (A) (v)	Availability of temporary and permanent housing; and	Sect. 8.8.1.2	Yes	
Appendix B (g) (7) (A) (vi)	Capacities, existing and expected use levels, and planned expansion of utilities (gas, water and waste) and public services, including fire protection, law enforcement, emergency response, medical facilities, other assessment districts, and school districts. For projects outside metropolitan areas with a population of 500,000 or more, information for each school district shall include current enrollment and yearly expected enrollment by grade level groupings, excluding project-related changes, for the duration of the project construction schedule.	Sect. 8.8.1.6	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   X  

Technical Area: **Socioeconomics**

Project Manager: Eileen Allen

# DATA ADEQUACY WORKSHEET

Project: Newark Substation Reliability Generation Project

Docket: 00-AFC-09

Revision No.   0  

Technical Staff: Jim Adams

Technical Senior: Dale Edwards

Date October 17, 2000

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (7) (B)	A discussion of the socioeconomic impacts caused by the construction and operation of the project, including:			
Appendix B (g) (7) (B) (i)	The number of workers to be employed each month by craft during construction and operation;	Sect. 8.8.2.3	Yes	
Appendix B (g) (7) (B) (ii)	An estimate of the number and percentage of workers who will commute daily, commute weekly, or relocate in order to work on the project;	Sect. 8.8.2.3	Yes	
Appendix B (g) (7) (B) (iii)	An estimate of the potential population increase caused directly and indirectly by the project;	Sect. 8.8.2.3	Yes	
Appendix B (g) (7) (B) (iv)	The potential impact of population increase on housing during the construction and operations phases;	Sect. 8.8.2.3	Yes	
Appendix B (g) (7) (B) (v)	The potential impacts, including additional costs, on utilities (gas, water and waste) and public services, including fire, law enforcement, emergency response, medical facilities, other assessment districts, and school districts. For projects outside metropolitan areas with a population of 500,000 or more, information on schools shall include project-related enrollment changes by grade level groupings and associated facility and staffing impacts by school district during the construction and operation phases;	Sect. 8.8.2.3	Yes	
Appendix B (g) (7) (B) (vi)	An estimate of applicable school impact fees;	Sect. 8.8.2.3	Yes	
Appendix B (g) (7) (B) (vii)	An estimate of the total construction payroll and an estimate of the total operation payroll;	Sect. 8.8.2.3	No	Please provide an estimate of the total construction payroll and an estimate of the total operation payroll;
Appendix B (g) (7) (B) (viii)	An estimate of the expenditures for locally purchased materials for the construction and operation phases of the project; and	Sect. 8.8.2.3	Yes	
Appendix B (g) (7) (B) (ix)	An estimate of the capital cost of the project of the potential impacts on tax revenues from construction and operation of the project.	Sect. 8.8.2.3	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   X  

Technical Area: **Socioeconomics**

Project Manager: Eileen Allen

# DATA ADEQUACY WORKSHEET

Project: Newark Substation Reliability Generation Project

Docket: 00-AFC-09

Revision No.   0   Date   October 17, 2000  

Technical Staff:   Jim Adams  

Technical Senior:   Dale Edwards  

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Sect. 8.8.5 Table 8.8-9	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Sect. 8.8.7 Table 8.8-9	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Sect. 8.8.2, 8.8.5 8.8.8	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Sect. 8.8.8	Yes	
Appendix (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Sect. 8.8.7	Yes	



Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   X    
 Technical Area: **Soils**  
 Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Newark Substation Reliability Generation Project  
 Docket: 00-AFC-9

Revision No. \_\_\_\_\_ Date \_\_\_\_\_  
 Technical Staff: Karen Gonzalves & Joe O'Hagan  
 Technical Senior: Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	2.2.1, 2.2.2, 2.2.3, 2.2.4, 2.2.6, 8.9.2.1, 8.9.4,	No	Please identify area that will be disturbed during construction of linear facilities.
Appendix B (g) (15) (A)	A map at a scale of 1:24,000 and written description of soil types and all agricultural land uses that will be affected by the proposed project. The description shall include:	Figure 8.9-1	Yes	
Appendix B (g) (15) (A) (i)	The depth, texture, permeability, drainage, erosion hazard rating, and land capability class of the soil; and	Table 8.9-2	Yes	
Appendix B (g) (15) (A) (ii)	An identification of other physical and chemical characteristics of the soil necessary to allow an evaluation of soil erodibility, permeability, re-vegetation potential, and cycling of pollutants in the soil-vegetation system.	Table 8.9-2	Yes	
Appendix B (g) (15) (C)	An assessment of the effects of the proposed project on soil resources and agricultural land uses. This discussion shall include:	8.9.2 All		
Appendix B (g) (15) (C) (i)	The quantification of accelerated soil loss due to wind and water erosion;	8.9.2.1	Yes	
Appendix B (g) (15) (C) (iii)	The effect of power plant emissions on surrounding soil-vegetation systems.	8.9.2.1 Power Plant	No	Lacked discussion of "emissions" on surrounding soil-vegetation systems.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X  
 Technical Area: **Soils**  
 Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Newark Substation Reliability Generation Project  
 Docket: 00-AFC-9

Revision No. \_\_\_\_\_ Date \_\_\_\_\_  
 Technical Staff: Karen Gonzalves & Joe O'Hagan  
 Technical Senior: Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Section 8.9.5.1 Section 8.9.5.2 Section 8.8.5.3 Table 8.9-3	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	8.9.6, Table 8.9-4	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 8.9.3 Table 8.9-3	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	8.9.6, Table 8.9-4	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	8.9.7, 8.9.8, Table 8.9-5	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date 10/19/00

Technical Area: **Traffic and Transportation**

Project: Newark Substation Reliability Generation Project

Technical Staff: James Fore

Project Manager: Eileen Allen

Docket: 00-AFC-9

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 8.10.1.1, Pages 8.10-1 and 8.10-2 Section 8.10.2.3, Page 8.10-8 Section 8.10.4 , Pages 8.10-10 and 8.10-11	Yes	
Appendix B (g) (5) (A)	A regional transportation setting, on topographic maps (scale of 1:250,000), identifying the project location and major transportation facilities. Include a reference to the transportation element of any applicable local or regional plan.	Omit since no significant transportation effects during construction or operation equal to or less than 10 construction workers Section 8.8.2.3 Page 8.8-8		
Appendix B (g) (5) (B)	An identification, on topographic maps at a scale of 1:24,000 and a description of existing and planned roads, rail lines, including light rail, bike trails, airports, bus routes serving the project vicinity, pipelines, and canals in the project area affected by or serving the proposed facility. For each road identified, include the following information, where applicable:	Omit, since no significant transportation effects		
Appendix B (g) (5) (B) (i)	Road classification and design capacity;	Section 8.10.2.3 Page 8.10-9	No	Road classification and design capacity for roadways impacted by the natural gas pipeline construction.
Appendix B (g) (5) (B) (ii)	Current daily average and peak traffic counts;	Section 8.10.2.3 Page 8.10-9	No	Current daily average and peak traffic counts for roadways impacted by the natural gas pipeline construction.
Appendix B (g) (5) (B) (iii)	Current and projected levels of service before project development, during construction, and during project operation;	Section 8.10.2.3 Page 8.10-9	No	Current and projected levels of service before project development, during construction, and during project operation for roadways impacted by the natural gas pipeline construction.
Appendix B (g) (5) (B) (iv)	Weight and load limitations;	Section 8.10.1.4, Pages 8.10-2 and 8.10-3	Yes	
Appendix B (g) (5) (B) (v)	Estimated percentage of current traffic flows for passenger vehicles and trucks; and	Omit, since no significant transportation situation exists that will alter the current ratio.		
Appendix B (g) (5) (B) (vi)	An identification of any road features affecting public safety.	Omit, since the small workforce (10 for the plant and 10 for the pipeline) and short construction period of one month will not create a significant transportation impact.		

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

Technical Area: **Traffic and Transportation**

Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Newark Substation Reliability Generation Project

Docket: 00-AFC-9

Revision No. 0 Date 10/19/00

Technical Staff: James Fore

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (5) (C)	A description of any new, planned, or programmed transportation facilities in the project vicinity, including those necessary for construction and operation of the proposed project. Specify the location of such facilities on topographic maps at a scale of 1:24,000.	Omit, since the small workforce (10 for the plant and 10 for the pipeline) and short construction period of one month will not create a significant transportation impact.	NA	
Appendix B (g) (5) (D)	An assessment of the construction and operation impacts of the proposed project on the transportation facilities identified. Include anticipated project-specific traffic, estimated changes to daily average and peak traffic counts, levels of service, and traffic/truck mix, and the impact of construction of any facilities identified in subsection (g)(5)(C).	Omit, since the small workforce (10 for the plant and 10 for the pipeline) and short construction period of one month will not create a significant transportation impact	NA	
Appendix B (g) (5) (E)	A discussion of project-related hazardous materials to be transported to or from the project during construction and operation of the project, including the types, estimated quantities, estimated number of trips, anticipated routes, means of transportation, and any transportation hazards associated with such transport.	Section 8.10.2.3, Page 8.10-7 Section 8.10.2.4, Page 8.10-9	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Section 8.10.5, Table 8.10-1, Pages 8.10-12 and 8.10-13	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Section 8.10.6, Table 8.10-1, Pages 8.10-12 and 8.10-13	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Sections 8.10.5.1, 8.10.5.2, and 8.10.5.3. Pages 8.10-11 and 8.10-14	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Section 8.10.5, Table 8.10-1, Pages 8.10-12 and 8.10-13	Yes	

Adequacy Issue:	Adequate _____ Inadequate <u>  X  </u>	<b>DATA ADEQUACY WORKSHEET</b>		Revision No. <u>  0  </u>	Date <u>  10/19/00  </u>
Technical Area:	<b>Traffic and Transportation</b>	Project:	Newark Substation Reliability Generation Project	Technical Staff:	James Fore
Project Manager:	<u>Eileen Allen</u>	Docket:	<u>00-AFC-9</u>	Technical Senior:	<u>Dale Edwards</u>

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Section 8.10.5.4, Table 8.10-2, Page 8.10-15	Yes	

Adequacy Issue: Adequate   X   Inadequate       

## DATA ADEQUACY WORKSHEET

Revision No.   0   Date   October 20, 2000  

Technical Area: **T-Line Safety and Nuisance.**

Project: Newark Substation Reliability Generation Project

Technical Staff:   Obed Odoemelam  

Project Manager:   Eileen Allen  

Docket:   00-AFC-9  

Technical Senior:   Bob Haussler  

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (2) (A)	A discussion of the need for the additional electric transmission lines, substations, or other equipment, the basis for selecting principal points of junction with the existing electric transmission system, and the capacity and voltage levels of the proposed lines, along with the basis for selection of the capacity and voltage levels.	NA		
Appendix B (i) (2) (B)	A discussion of the extent to which the proposed electric transmission facilities have been designed, planned, and routed to meet the transmission requirements created by additional generating facilities planned by the applicant or any other entity.	NA		
Appendix B (b) (2) (C)	A detailed description of the design, construction, and operation of any electric transmission facilities, such as power lines, substations, switchyards, or other transmission equipment, which will be constructed or modified to transmit electrical power from the proposed power plant to the load centers to be served by the facility. Such description shall include the width of rights of way and the physical and electrical characteristics of electrical transmission facilities such as towers, conductors, and insulators. This description shall include power load flow diagrams which demonstrate conformance or nonconformance with utility reliability and planning criteria at the time the facility is expected to be placed in operation and five years thereafter; and	NA		

Adequacy Issue: Adequate ☒ Inadequate ☐

Technical Area: **T-Line Safety and Nuisance.**

Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Newark Substation Reliability Generation Project

Docket: 00-AFC-9

Revision No. 0 Date October 20, 2000

Technical Staff: Obed Odoemelum

Technical Senior: Bob Haussler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (2) (D)	A description of how the route and additional transmission facilities were selected, and the consideration given to engineering constraints, environmental impacts, resource conveyance constraints, and electric transmission constraints.	NA		
Appendix B (g) (18) (A)	The locations and a description of the existing switchyards and overhead and underground transmission lines that would be affected by the proposed project.	Section 2, page 2-1, Section 7, page 7-1	Yes	
Appendix B (g) (18) (B)	An estimate of the existing electric and magnetic fields from the facilities listed in (A) above and the future electric and magnetic fields that would be created by the proposed project, calculated at the property boundary of the site and at the edge of the rights of way for any transmission line. Also provide an estimate of the radio and television interference that could result from the project.	NA		
Appendix B (g) (18) (C)	Specific measures proposed to mitigate identified impacts, including a description of measures proposed to eliminate or reduce radio and television interference, and all measures taken to reduce electric and magnetic field levels.	Section 7, page 7-1	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	NA		

Adequacy Issue: Adequate ☒ Inadequate ☐

Technical Area: **T-Line Safety and Nuisance.**

Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Newark Substation Reliability Generation Project

Docket: 00-AFC-9

Revision No. 0 Date October 20, 2000

Technical Staff: Obed Odoemelam

Technical Senior: Bob Haussler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	NA		
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	NA		
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	NA		
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	NA		



Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X  
 Technical Area: Transmission System Eng.  
 Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Newark Substation Reliability Projects  
 Docket: 00-AFC-9

Revision No. 00 Date October 16, 2000  
 Technical Staff: Unassigned  
 Technical Senior: Al McCuen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (2) (A)	A discussion of the need for the additional electric transmission lines, substations, or other equipment, the basis for selecting principal points of junction with the existing electric transmission system, and the capacity and voltage levels of the proposed lines, along with the basis for selection of the capacity and voltage levels.	Section 2, Page 2.-15	No	Provide the conductor size for the 115 kV connection.
Appendix B (i) (2) (B)	A discussion of the extent to which the proposed electric transmission facilities have been designed, planned, and routed to meet the transmission requirements created by additional generating facilities planned by the applicant or any other entity.		Not Applicable	
Appendix B (b) (2) (C)	A detailed description of the design, construction, and operation of any electric transmission facilities, such as power lines, substations, switchyards, or other transmission equipment, which will be constructed or modified to transmit electrical power from the proposed power plant to the load centers to be served by the facility. Such description shall include the width of rights of way and the physical and electrical characteristics of electrical transmission facilities such as towers, conductors, and insulators. This description shall include power load flow diagrams which demonstrate conformance or nonconformance with utility reliability and planning criteria at the time the facility is expected to be placed in operation and five years thereafter; and	Section 2, Page 2-15	No	<ul style="list-style-type: none"> <li>• Provide power load flow diagrams which demonstrate conformance or non conformance with utility reliability and planning criteria for the first year of operation for the Newark Reliability Generation Project.</li> <li>• Provide an elevation drawing or sketch of the method of connecting to the existing bus or lines for the Newark Substation Reliability Project.</li> </ul>
Appendix B (b) (2) (D)	A description of how the route and additional transmission facilities were selected, and the consideration given to engineering constraints, environmental impacts, resource conveyance constraints, and electric transmission constraints.	Section 2, Page 2.7	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X  
 Technical Area: Transmission System Eng.  
 Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Newark Substation Reliability Projects  
 Docket: 00-AFC-9

Revision No. 00 Date October 16, 2000  
 Technical Staff: Unassigned  
 Technical Senior: Al McCuen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (18) (A)	The locations and a description of the existing switchyards and overhead and underground transmission lines that would be affected by the proposed project.	Section 2, Figure 2.2-6	No	Provide electrical one line diagrams (or sketches describing the Newark 115 kV substation facilities and indicate how the project 115 kV connection is made.
Appendix B (g) (18) (B)	An estimate of the existing electric and magnetic fields from the facilities listed in (A) above and the future electric and magnetic fields that would be created by the proposed project, calculated at the property boundary of the site and at the edge of the rights of way for any transmission line. Also provide an estimate of the radio and television interference that could result from the project.		NA	
Appendix B (g) (18) (C)	Specific measures proposed to mitigate identified impacts, including a description of measures proposed to eliminate or reduce radio and television interference, and all measures taken to reduce electric and magnetic field levels.		NA	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;		NA	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.		NA	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X  
 Technical Area: Transmission System Eng.  
 Project Manager: Eileen Allen

# DATA ADEQUACY WORKSHEET

Project: Newark Substation Reliability Projects  
 Docket: 00-AFC-9

Revision No. 00 Date October 16, 2000  
 Technical Staff: Unassigned  
 Technical Senior: Al McCuen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).		NA	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.		NA	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.		NA	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date 10/17/00

Technical Area: **Visual Resources**

Project: Newark Substation Reliability Generator Project

Technical Staff: David Flores

Project Manager: Eileen Allen

Docket: 00-AFC-10

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	AFC pg. 8.11-3 Sec. 8.11.2 AFC pg.8.11-11 Sec. 8.11.4	NO	Provide discussion of expected direct., indirect and cumulative impacts due to the construction, operation and maintenance of the project.
Appendix B (g) (6) (A)	Descriptions of the existing visual setting of the vicinity of the project, the region that can be seen from the vicinity of the project, and the proposed project site. Include:	AFC pg. 8.11-1 & 3 Sec. 8.11.1	YES	
Appendix B (g) (6) (A) (i)	Topographic maps at a scale of 1:24,000 of the areas from which the project may be seen, identification of the view areas most sensitive to the potential visual impacts of the project, and the locations where photographs were taken for (g)(6)(E);	AFC Figure 8.11-1	YES	
Appendix B (g) (6) (A) (ii)	Elevations of any existing structures on the site; and	AFC pg. 8.11-3 Sec. 8.11.2	YES	
Appendix B (g) (6) (A) (iii)	The visual properties of the topography, vegetation, and any modifications to the landscape as a result of human activities.	AFC pg. 8.11-3 through 6 Sec. 8.11.2.2	YES	
Appendix B (g) (6) (B)	An assessment of the visual quality of those areas that will be impacted by the proposed project.	AFC pg. 8.11-10 & 11 Sec. 8.11.3.3	YES	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X  
 Technical Area: **Visual Resources**  
 Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Newark Substation Reliability Generator Project  
 Docket: 00-AFC-10

Revision No. 0 Date 10/17/00  
 Technical Staff: David Flores  
 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (6) (C)	After discussions with staff and community residents who live in close proximity to the proposed project, identify the scenic corridors and any visually sensitive areas potentially affected by the proposed project, including recreational and residential areas. Indicate the approximate number of people using each of these sensitive areas and the estimated number of residences with views of the project. For purposes of this section, a scenic corridor is that area of land with scenic natural beauty, adjacent to and visible from a linear feature, such as a road, or river.	AFC pg.8.11-3 through 5 Sec. 8.11.2.2	YES	
Appendix B (g) (6) (D)	A description of the dimensions, color, and material of each major visible component of the project.	AFC pg. 8.11-9 & 10 Sec. 8.11.3.2 Table 8.11-2	YES	
Appendix B (g) (6) (E)	Full-page color photographic reproductions of the existing site, and full-page color simulations of the proposed project in the existing setting from each location representative of the view areas most sensitive to the potential visual impacts of the project.	Figure 2.2-3 & 4	YES	
Appendix B (g) (6) (F)	An assessment of the visual impacts of the project, including light and glare, and visible plumes.	AFC pg. 8.11-10 Sec. 8.11.3.2	YES	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	AFC pg. 11-11 through 14 AFC sec. 8.11.5 Table 8.11-3 & 4	YES	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date 10/17/00

Technical Area: **Visual Resources**

Project: Newark Substation Reliability Generator Project

Technical Staff: David Flores

Project Manager: Eileen Allen

Docket: 00-AFC-10

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	AFC pg. 8.11-15 Sec. 8.11.7	YES	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	AFC pg. 8.11-11 through 14 Sec. 8.11.5 Table 8.11.3 & 4	YES	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	AFC pg. 8.11-14 Sec. 8.11-5	YES	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	AFC pg. 8.11-15 Sec. 8.11.7	YES	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X  
 Technical Area: Waste Management  
 Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date October 12, 2000  
 Technical Staff: Mike Ringer  
 Technical Senior: Bob Haussler

Project: Newark Substation Reliability Project  
 Docket: 00-AFC-9

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (1) (C)	A detailed description of the design, construction and operation of the facilities, specifically including the power generation, cooling, water supply and treatment, waste handling and control, pollution control, fuel handling, and safety, emergency and auxiliary systems, and fuel types and fuel use scenarios;	Sec. 2.2.8.2 Sec. 2.2.8.3 Sec. 8.13	YES	
Appendix B (e) (2)	A discussion of how facility closure will be accomplished in the event of premature or unexpected cessation of operations.	Sec. 4.1 Sec. 8.13.4.3	YES	
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Sec. 8.13.2 Sec. 8.13.4 Sec. 8.13.5 Sec. 8.13.6	YES	
Appendix B (g) (12) (A)	A Phase I Environmental Site Assessment for the proposed power plant site using methods prescribed by the American Society for Testing and Materials (ASTM) document entitled "Standard Practice for Environmental Site Assessments: Phase 1 Environmental Site Assessment Process" (Designation: E 1527-93, May 1993), which is incorporated by reference in its entirety; or an equivalent method agreed upon by the applicant and the CEC Staff that provides similar documentation of the potential level and extent of site contamination.		NO	A Phase I ESA or equivalent information is required to determine the potential for site contamination because grading and earth moving may disturb contaminated soils if present at the site.
Appendix B (g) (12) (B)	A description of each waste stream estimated to be generated during project construction and operation, including origin, hazardous or nonhazardous classification pursuant to Title 22, California Code of Regulations, § 66261.20 et seq., chemical composition, estimated annual weight or volume generated, and estimated frequency of generation.	Sec. 8.13.2.1 Sec. 8.13.2.2 Table 8.13-1	YES	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   X    
 Technical Area:   Waste Management    
 Project Manager:   Eileen Allen  

## DATA ADEQUACY WORKSHEET

Project:   Newark Substation Reliability Project    
 Docket:   00-AFC-9  

Revision No.   0   Date   October 12, 2000    
 Technical Staff:   Mike Ringer    
 Technical Senior:   Bob Haussler  

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (12) (C)	A description of all waste disposal sites which may feasibly be used for disposal of project wastes. For each site, include the name, location, classification under Title 23, California Code of Regulations, § 2530 et seq., the daily or annual permitted capacity, daily or annual amounts of waste currently being accepted, the estimated closure date and remaining capacity, and a description of any enforcement action taken by local or state agencies due to waste disposal activities at the site.	Sec. 8.13.3.1 Sec. 8.13.3.2 Table 8.13-2	YES	
Appendix B (g) (12) (D)	A description of management methods for each waste stream, including methods used to minimize waste generation, length of on- and off-site waste storage, re-use and recycling opportunities, waste treatment methods used, and use of contractors for treatment.	Sec. 8.13.4.1 Sec. 8.13.4.2	YES	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 8.13-3	YES	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 8.13-4	YES	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Table 8.13-3	YES	



Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   X  

Technical Area:   Waste Management  

Project Manager:   Eileen Allen  

# DATA ADEQUACY WORKSHEET

Project:   Newark Substation Reliability Project  

Docket:   00-AFC-9  

Revision No.   0   Date   October 12, 2000  

Technical Staff:   Mike Ringer  

Technical Senior:   Bob Haussler  

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 8.13-4	YES	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Sec. 8.13.9	YES	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   X    
 Technical Area: **Water Resources**  
 Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Newark Substation Reliability Generation Project  
 Docket: 00-AFC-9

Revision No.   0   Date   10.19.00    
 Technical Staff: Lorraine White  
 Technical Senior: Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 2, p. 2-1, p. 2-8 Section 8.14, p. 8.14-1 to 8.14-15 Figure 2.2-7	No	Describe the water supply, existing municipal demand and capacity, including treatment capacity.
Appendix B (g) (14) (A)	All information required by the Regional Water Quality Control Board in the region where the project will be located to apply for:			
Appendix B (g) (14) (A) (i)	Waste Discharge Requirements; and		N/A	
Appendix B (g) (14) (A) (ii)	a National Pollutant Discharge Elimination System Permit.	Sections 2, 8.9, & 8.14	Yes	
Appendix B (g) (14) (B)	A description of the hydrologic setting of the project. The information shall describe, in writing and on maps at a scale of 1:24,000, the chemical and physical characteristics of the following water bodies that may be affected by the proposed project:			
Appendix B (g) (14) (B) (i)	Ground water bodies and related geologic structures;	p.8.14-2	Yes	
Appendix B (g) (14) (B) (ii)	Surface water bodies; and	p. 8.14-3 to 8.14-5	Yes	
Appendix B (g) (14) (B) (iii)	Water inundation zones, such as the 100-year flood plain and tsunami run-up zones.	Section 8.14.2.4	Yes- See Facility Design	
Appendix B (g) (14) (C)	A description of the water to be used and discharged by the project. This information shall include:			

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   X    
 Technical Area: **Water Resources**  
 Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Newark Substation Reliability Generation Project  
 Docket: 00-AFC-9

Revision No.   0   Date   10.19.00    
 Technical Staff: Lorraine White  
 Technical Senior: Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (14) (C) (i)	Source of the water and the rationale for its selection, and if fresh water is to be used for power plant cooling purposes, a discussion of all other potential sources and an explanation why these sources were not feasible;	p. 8.14-4 to 8.14-5	No	See information needed for App.B (g)(1) above.
Appendix B (g) (14) (C) (ii)	The physical and chemical characteristics of the source and discharge water;	p. 8.14-6	N/A	Please provide detailed information on the chemical characteristics of the wash wastewater.
Appendix B (g) (14) (C) (iii)	Average and maximum daily and annual water demand and waste water discharge for both the construction and operation phases of the project; and	Section 2, p. 2-8 Table 2.2-1 p. 8.14.6	No	Please provide information on the average and peak water requirements for the construction of the project, as well as the average water demand for the operation of the project. Please correct discrepancies in peak daily requirement estimates.
Appendix B (g) (14) (C) (iv)	A description of all facilities to be used in water conveyance, treatment, and discharge. Include a water mass balance diagram.	Section 1, p. 1-1 Section 2, p. 2-8, 2-12, and 2-18 Figure 2.2-7	No	Please describe the facilities necessary to access the onsite supply; and specify, if any on-site pipes are required, the construction methods.
Appendix B (g) (14) (D)	A description of pre-, and post-construction runoff and drainage patterns, including:			
Appendix B (g) (14) (D) (i)	Precipitation and storm runoff patterns; and	p. 8.14-1 to 8.14-2	Yes	
Appendix B (g) (14) (D) (ii)	Drainage facilities and design criteria.	Section 8.14, p. 8.14-8 to 8.14-11	Yes	
Appendix B (g) (14) (E)	An assessment of the effects of the proposed project on water resources. This discussion shall include:			
Appendix B (g) (14) (E) (i)	The effects of project demand on the water supply and other users of this source;	Section 8.14.2.1, p. 8.14-6	Yes	
Appendix B (g) (14) (E) (ii)	The effects of construction activities and plant operation on water quality; and	p. 8.14-8 to 8.14-10	Yes	
Appendix B (g) (14) (iii)	The effects of the project on the 100-year flood plain or other water inundation zones.	Section 8.14.2.4	Yes- See Facility Design	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date 10.19.00

Technical Area: **Water Resources**

Project: Newark Substation Reliability Generation Project

Technical Staff: Lorraine White

Project Manager: Eileen Allen

Docket: 00-AFC-9

Technical Senior: Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 8.14-3, p. 8.14.13 to 8.14.14	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 8.14-4, p. 8.14.14	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 8.14.6, p. 8.14-11 to 8.14-14 Section 8.14.2.3, p. 8.14-6 to 8.14-8	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 8.14-4	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Section 8.14.8, p. 8.14-15	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐  
 Technical Area: **Worker Safety**  
 Project Manager: E.Allen

## DATA ADEQUACY WORKSHEET

Revision No. 1 Date 10/18/2000  
 Project: Newark Substation Generation Project  
 Docket: 00-AFC-11  
 Technical Staff: Rick Tyler  
 Technical Senior: Rick Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 8.7	Yes	
Appendix B (g) (11) (A)	A description of the safety training programs which will be required for construction and operation personnel.	Section 8.7.3	Yes	
Appendix B (g) (11) (B)	A complete description of the fuel handling system and the fire suppression system.	Sections 2.2.6; 2.2.11; 2.3.2.1	Yes	
Appendix B (g) (11) (C)	Provide draft outlines of the Construction Health and Safety Program and the Operation Health and Safety Program, as follows:  Construction Health and Safety Program: * Injury and Illness Prevention Plan (8 Cal. Code Regs., § 1509); * Fire Protection and Prevention Plan (8 Cal. Code Regs., § 1920); • Personal Protective Equipment Program (8 Cal. Code Regs., §§ 1514-1522) Operation Health and Safety Program: * Injury and Illness Prevention Program (8 Cal. Code Regs., § 3203); * Fire Prevention Plan (8 Cal. Code Regs., § 3221); * Emergency Action Plan (8 Cal. Code Regs., § 3220); * Personal Protective Equipment Program (8 Cal. Code Regs., §§ 3401-3411).	Section 8.7.2.1  Section 8.7.2.1  Section 8.7.2.1  Section 8.7.2.2  Section 8.7.2.2  Sections 8.7.2.2  Section 8.7.2.2	Yes  Yes  Yes  Yes  Yes  Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐  
 Technical Area: **Worker Safety**  
 Project Manager: E.Allen

## DATA ADEQUACY WORKSHEET

Revision No. 1 Date 10/18/2000  
 Project: Newark Substation Generation Project Technical Staff: Rick Tyler  
 Docket: 00-AFC-11 Technical Senior: Rick Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 8.7-5 through 9	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 8.7-7	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 8.7.4	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 8.7-6	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Table 8.7-7	Yes	